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## State of Utah

DEPARTMENT OF NATURAL RESOURCES  
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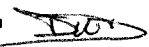
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May 14, 1990

TO: FILE

FROM: DAVID DARBY, GEOLOGIST 

RE: AMENDMENT, UNDERGROUND RIGHT OF WAY APPLICATION, CRANDALL CANYON MINE, GENWAL COAL COMPANY, ACT/015/032-90-1, EMERY COUNTY, UTAH, FILE NO. 2.

## SYNOPSIS

Genwal Coal Company (Genwal) submitted an amendment to their Mining and Reclamation Plan on May 4, 1990 requesting a modification to their mining sequence and expansion of their mine.

Genwal propose to develop a right-of-way area in the southern portion of Section 31 to accomodate enteries connecting Lease U-54762 to Lease ML-21569.

## Analysis

The right-of-way proposal has been reviewed with regard to the geology, groundwater and subsidence issues. Genwal has supplied sufficient information to identify the potential impacts the surface and groundwater regimes.

It is determined that development of the right-of-way entries will not have adverse impacts of renewable resources. Genwal intends to monitor represenative springs in the vicinity of enteries. An annual subsidence survey will also be conducted to analyze potential surface impacts. With a overburden thickness of between 1,300 to 1,700 feet, and no secondary it is unlikely that subsidence effects will be noticed on the surface.

Genwal needs to have the accompanying maps notorized by a registered professional engineer before they can be adopted into the mineplan.

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Genwal Coal Company  
Amendment ACT/015/032-90-1  
Right-of-Way Proposal

**Recommendations**

This ammendment is recommended for approval upon submittal of notorized maps.

cc. Daron Haddock  
Joe Helfrich

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